

# NSD Monday Morning Meeting



January 8, 2007

# Congratulations!

- **AAAS Fellow: Stuart Freedman**

*Citation:* For important contributions to our understanding of fundamental symmetries in atomic and nuclear physics, and to an understanding of neutrinos and their weak interaction.



- **APS Fellow: Howard Matis**

*Citation:* For his many contributions to education and outreach on nuclear science including a website, wall-chart, guidebook, and Boy Scout merit badge, as well as a classroom cosmic-ray detector. [Nominated by: Education (FE<sub>d</sub>)]

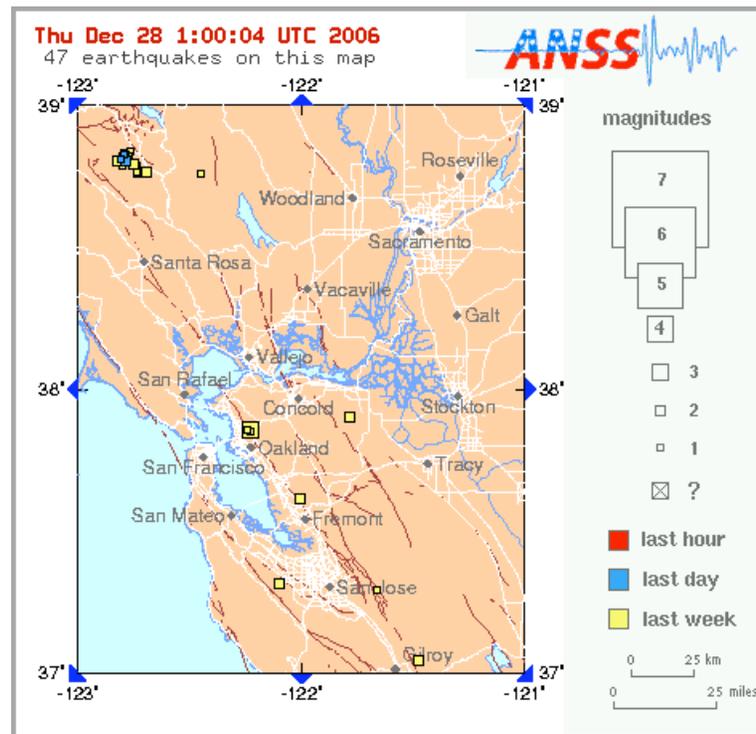




m Cubed

# EH&S

## This week's EH&S issue: Earthquake



Mag: 3.5	2006/12/23 17:21:15	Lat: 37.862	Long: -122.235	Dep: 9.8 km	Loc: 4 km ESE of Berkeley, CA
Mag: 3.7	2006/12/23 06:49:57	Lat: 37.861	Long: -122.237	Dep: 10.0 km	Loc: 4 km ESE of Berkeley, CA
Mag: 3.7	2006/12/21 03:12:28	Lat: 37.860	Long: -122.237	Dep: 9.0 km	Loc: 4 km ESE of Berkeley, CA



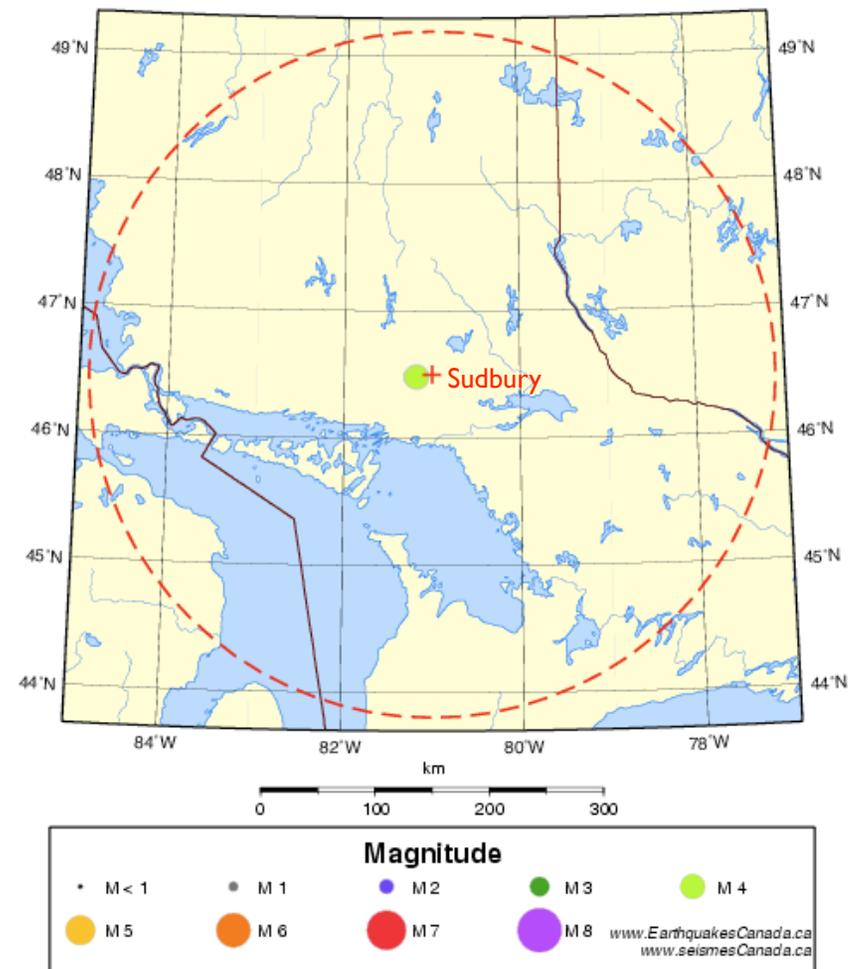
# EH&S

## This week's EH&S issue: Earthquake

On November 29, 2006, the day after SNO was turned off, a mag. 4.1 earthquake struck.

The epicenter was  
46.48°N, 81.18°W, 2.5 km

The SNO detector is located at  
46.48°N, 81.20°W, 2.1 km





# EH&S

## This week's EH&S issue: Earthquake

We found 4 collapsed NCD counters

Design of the NCDs set the improbability threshold at Mag. 4



**Expect the Unexpected. Be Prepared!**



# Earthquake Safety

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## Home & Workplace Tips

### Hazard Hunts

- Visually scan wall space and areas above your head for items that can become projectiles when jolted by earthquakes

**Tip: Secure or fasten items to a fixed item bolted to the wall**

### Evacuation

- Have at least two exit routes. Exit to outdoor safe assembly area

**Tip: Participate in practice drills**

For more information, contact Genevieve Pastor-Cohen, x7033



# Today at Berkeley Lab

Friday, December 22, 2006

## Earthquake Preparedness Tips from Emergency Services:

If a catastrophic earthquake occurs, it is likely that we will need to be self-sufficient from 72 hours to 7-10 days. To sustain ourselves, we need to be prepared. Below are some helpful emergency preparedness tips:

- To help loved ones prepare, in this season of giving, give an emergency preparedness gift for home, car or at the office. The American Red Cross offers emergency supplies which can be purchased from <http://www.redcrossshop.org/>.
- Maintain sufficient fuel in your cars, since a catastrophic earthquake can render gas stations inoperable.
- Review and update family emergency plans with family members. Visit: [www.redcross.org](http://www.redcross.org) for family emergency planning tips for a wide range of family situations, i.e. handicapped, elderly, infants.
- For parents with school-aged children, when school reopens after the holidays, contact the child's school to update parents' emergency contact numbers. Also, in the event of an emergency, if you are unable to pick up your child, provide your child's school with an alternate trusted adult's contact information who can pick up and care for your child.
- Update your emergency contact phone trees at home and work.
- Since ATMs are likely to be down, have sufficient cash available to make personal emergency purchases.
- Since most injuries at home after an earthquake are cuts and scrapes due to broken glass, protect your feet by keeping sturdy shoes close by.





# EH&S

California State Emergency Alert System (EAS) uses

**KCBS 740 AM**

for Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano and Sonoma counties

Individual cities also have their specific broadcast stations (check with your City for those not listed):

Berkeley: **1610 AM**

Oakland: **530 AM**

UCB: **KALX 90.7 FM**



# EH&S

City of San Francisco maintains an informative website

<http://www.72hours.org>

The screenshot shows the homepage of [www.72hours.org](http://www.72hours.org). At the top, there are language options: English, Español, and 中文. The main heading is "Are you prepared?". Below this, a text box explains that in a major disaster, it might be several days before vital services are restored. It lists hazards such as earthquakes, fires, severe storms, power outages, and acts of terrorism. A paragraph asks the user to imagine a scenario with no electricity, gas, water, or telephone service. Below this, a call to action says "Click on the buttons to the right to find out how you can prepare yourself and your family for an emergency." To the right of the text is a grid of icons for various preparedness topics, categorized under "HOW TO PREPARE" (Make a Plan, Build a Kit, Get Involved) and "WHAT TO DO IF...". The "WHAT TO DO IF..." section includes icons for Earthquake, Storm/Flooding, Terror, Contagious Disease, Transit Safety, Evacuation, No Power, Fire, Tsunami, Sirens, and Shelter in Place. At the bottom left, there is a section for "ALERT SF NOTIFICATION SYSTEM" with a "Join now" link. At the bottom right, there are links to "PRINT ENTIRE SITE (PDF)", "EMAIL THIS SITE TO A FRIEND", "CITY EMERGENCY PLAN", "JOIN ALERT SF", "ASK A QUESTION", and "OTHER BAY AREA COUNTIES".

**www.72hours.org**  
**Are you prepared?**

In a major disaster, it might be several days before vital services are restored.

San Francisco is exposed to a wide variety of hazards, both natural and man-made. Earthquakes, fires, severe storms, power outages, and acts of terrorism are just some of the potential emergencies we may encounter.

Imagine that you have no electricity, no gas, no water and no telephone service. Imagine that all the businesses are closed and you are without any kind of emergency services. What will you do until help arrives?

Click on the buttons to the right to find out how you can prepare yourself and your family for an emergency. You can also learn what to do in response to a specific disaster, like a tsunami, just in case.

**HOW TO PREPARE**

**Make a Plan** | **Build a Kit** | **Get Involved**

**START HERE**

**WHAT TO DO IF...**

**ALERT SF**  
NOTIFICATION SYSTEM

[Join now.](#)

[PRINT ENTIRE SITE \(PDF\)](#)  
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# Seminars

(Jan 8, 2007 - Jan 19, 2007)

- UCB Physics colloquium: None
- Nuclear Physics Forum: None?
- Heavy Ion Tea (3:30 PM, Perseverance Hall)
- *Jan. 9, 2007:*
  - Raju Venugopalan (BNL): The glue that binds us all: probing the nature of partonic matter with the world's first electron-ion collider
- *Jan. 16, 2007:*
  - Yury Kolomensky (UCB/LBNL): TBA
- INPA Journal Club (12 noon, 50-5026): None



# Seminars

(Jan 8, 2007 - Jan 21, 2007)

- **PD RPM (4 PM, 50A-5132):**
  - *Jan. 11, 2007:*  
Zoltan Ligeti (BNL): B Physics Beyond CKM
- **Life Sciences & Genomics Division (Jan. 16, 4-5:30PM, 66 Aud.):**
  - Jan Hoeijmakers (Erasmus Medical Center): DNA Damage in Cancer, Aging and Lifespan Extension [a general talk, supposedly]
- **UCB Lecture Series (Jan 20, 2007, 2-5 PM MLK Student Union) [\$20, better deal than a Raiders game]:**
  - George A. Akerlof (Economics 2001), Steven Chu (Physics 1997), Donald A. Glaser (Physics 1960), Yuan T. Lee (Chemistry 1986), Daniel L. McFadden (Economics 2000), George F. Smoot (Physics 2006), Charles H. Townes (Physics 1964): UC Berkeley's Nobel Laureates: Energy Self-Sufficiency in the 21st Century

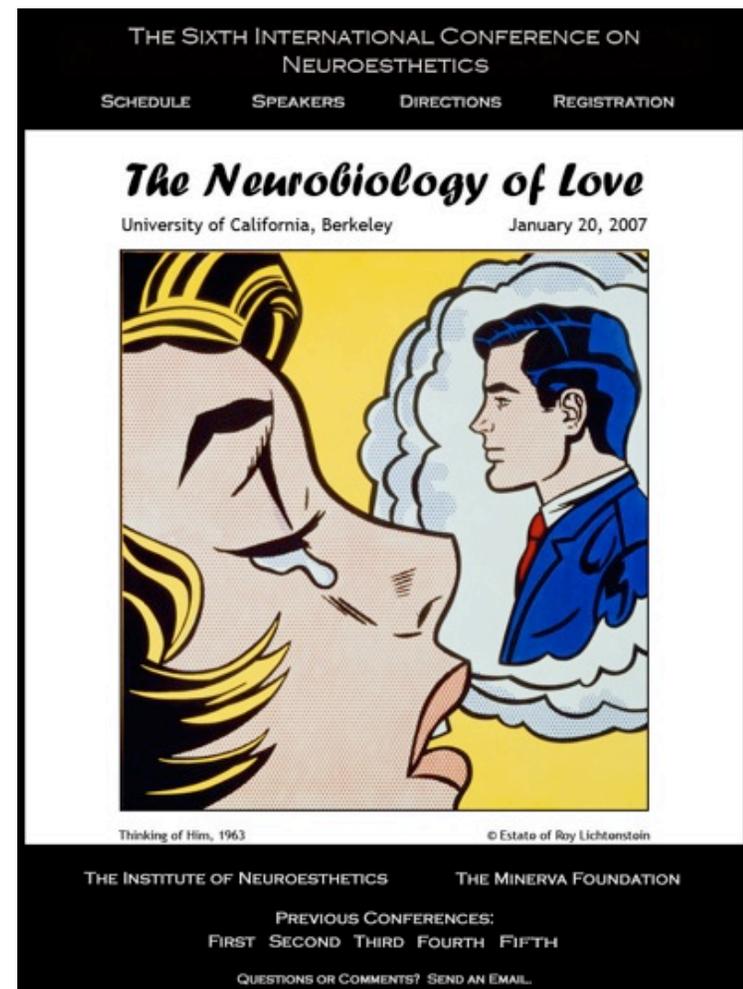


# Seminars

(Jan 8, 2007 - Jan 21, 2007)

- **The Neurobiology of Love conference (sponsored by UCB School of Optometry, Jan 20, 2007, 9AM-?, Berkeley Art Museum)**

From the description: What is this thing called love, which has been described as “a catastrophe – but a highly desirable catastrophe” and in the service of which humans have reached the heights and plumbed the depths of experience? Why is our judgment often blurred or suspended when we fall passionately in love? Why does it lead to euphoria and depression? What is its chemistry? Which areas of the brain become engaged when we fall in love and when we view our lovers, or when we make love? Why are voles and birds and humans sometimes monogamous and sometimes polygamous? Why does the world literature of love so often paint a gloomy picture - of adulterous lovers who seek an escape in its, and their own, annihilation - and what neurobiological lessons can we draw from that literature?





# Next $m^3$

*Date & Time:* January 22, 2007, 9:00 AM

*Speakers:* Peter Jacobs, Alan Poon + (volunteer attending the American Competitiveness Initiative meeting?)

*Subject:* Summary of NSAC long range plan town meeting in Chicago

Future meeting dates and talks are listed in:  
[http://neutrino.lbl.gov/~snoman/NSD\\_MMM](http://neutrino.lbl.gov/~snoman/NSD_MMM)



# Today's $m^3$

Summary of Quark Matter 2006 (for non-specialists)

Bedangadas Mohanty